

Notice of Allowability**Application No.**

09/382,834

Applicant(s)

BEAMAN ET AL.

Examiner

VINH P. NGUYEN

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/29/08.
2. ☒ The allowed claim(s) is/are 29,31,33-34,36-37,42-43,53-58,88-94,109-118,140-148.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 10/31/08
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In claim 31, line 1, ---30--- has been changed to ---29---.

In claim 88, line 2, ---59--- has been changed to ---58---.

Claims 49,59-87 and 139 have been canceled.

Claims 30-32,35,38-41,44 and 51 have been canceled.

New added claims 140-148 as follows:

Claim 140 (new) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the electronic component is a semiconductor wafer.

Claim 141 (new) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the area of the electronic component is a portion of a surface area of the electronic component.

Claim 142 (new) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the flexible elements are probe elements.

Claim 143 (new) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein there are electrical connections between the second substrates and the first substrate.

Claim 144 (new) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the first substrate is a space transformer.

Claim 145 (New) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the electronic component is a semiconductor wafer; and the flexible contact elements of the second substrate contact individual semiconductor dies on the semiconductor wafer.

Claim 146 (New) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the electronic component is a semiconductor wafer; and the flexible contact elements of the second substrate contacts at least one integrated circuit on the semiconductor wafer.

Claim 147 (New) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein the first substrate with the second substrate mounted thereto is mounted to an electrical testing apparatus by a plurality of electrical connections.

Claim 148 (New) A method according to any one of claims 29, 33, 34, 36, 37, 42, 43 or 53 to 59, wherein there is a least one second substrate is mounted to said first substrate.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Morris on 10/31/08.
3. The drawings filed on 08/25/99 and 07/30/08 is acceptable.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is 571-272-1964. The examiner can normally be reached on 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HA T. NGUYEN can be reached on 571-272-1678. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VINH P NGUYEN/
Primary Examiner
Art Unit 2829